	FORM PTO-1449U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 17044DIV1 (AP)	SERIAL NO. Not Assigned
۱	MODIFICATION OF CLOSTRIDIAL TOXINS FOR USE AS TRANSPORT PROTEINS	APPLICANT Dolly, et al.	960
	FOR USE AS TRANSPORT THE TOTAL	FILING DATE Submitted herewith	GROUP Not Assigned

				CL 13.41	ENT	NII INA	DED		DATE	NAME		SUBCLASS	FILING DATE (IF APPROPRIATE)
EXAMINER INITIAL		DOCUMENT NUMBER DATE									CLASS		(IF APPROPRIATE)
ex	AA	5	2	0	4	0	9	7	4/93	Amon et al		<del> </del>	
er	АВ	4	5	9	4	3	3	6	6/86	Bizzini		<del> </del>	
RX	AC	5	4	4	3	9	7	6	8/95	Carroll		<del></del>	
Pł	AD	5	4	3	7	2	9	1	8/95	Pasnicha et al		ļ <u> </u>	
u	AE	<del>                                     </del>	5	1	2	5	4	7	4/96	Johnson et al		<del></del>	
Rt	AF	┼	5	6	2	9	0	7	10/96	Amon			
Pł	AG	┪	6	5	0	2	8	0	7/97	Stuart et al			<del> </del>
pt	AH	+-	7	1	3	2	.4	0	12/87	Wilkins et al		· -	
er	Al	5	5	9	9	5	3	9	2/97	Carroll et al			
RX	AJ	+-	6	0	1	8	2	3	2/97	Williams et al			
er	+	5	7	1	9	2	6	7	2/98	Carroll et al			
ex	AL	+-	7	2	1	2	1,	5	2/98	Aoki et al			
03	+-	1 5	5	8	5	1,	0	0	12/96	Mond et al			
23	┶	1 5	6	7	4	2	0	5	10/97	Pasricha et al			
LX	$\overline{}$	) 5	7	6	2	9	3	-	6/98	Williams et al			
ex		+	8	1	4	+	1,	7	9/98	Williams et al			<u> </u>
17	-1-	2 5	7	2	1	+	١,	1	2/98	Aoki et al			
RA		R 5	9	6	5		+	,	10/99	Schmidt et al			
	A	╅	7	3	6	╅	-	+	<del></del>	Kink et al			
R	A	+	6		+	+	+	$\dashv$	12/97	Scheller			
· ·	-	+	9		+	-+	+	-+	3 9/99	Johnson et al			
1	1	U 5 V 5	+		-+-	$\dashv$	+	+	5 7/99	Williams			

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

EXAMINER

ייט אאַכן)					Dr	יחאר	Th	A CONT			ATTY DOCKET NO	C.F.	RIAL NO.		
FORM PTO-1449U.S. DEPARTMENT OF COMMERCE							TV	IEN'	r OF		ATTY. DOCKET NO. 17044DIV1 (AP)		kiab NO. t Assigne	ed	
PATENT AND TRADEMARK OFFICE								EMA	RK OFFI	CE			_		
							_								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT															
MODIFICATION OF CLOSTRIDIAL TOXINS FOR USE AS TRANSPORT PROTEINS											APPLICANT				
											Dolly, et al.	Lan	orin —		
											FILING DATE		DÚP t Assign	ed	
											Submitted herewith			<del></del>	
<del></del>											U.S. PATENT DOCUMENTS				
XAMINER INITIAL			DO	UME	NT I	ŅUMB	ER		DATE		NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPE	
										FC	DREIGN PATENT DOCUMENTS				
XAMINER			DO	CUME	NT I	NUMB	ER		DATE		COUNTRY	CLASS	SUBCLASS		RANSLATI
INITIAL														VEO	NO
01:		_				ı - 1		, –		├			<u> </u>	YES	- NO
pr	CA	9	4	2	1	3	0	0	9/29/94	PCT	T				<u> </u>
RY	СВ	0	2	5	4	9	0	5	3/2/88	EPC	0				
ານ	cc	۱۵	4	0	0	4	8	17	1/94	lwo	)				
22 XAMINER INITIAL	DA	سنا	Yan et	al*A	Sinc	zie Mo	OT	HER	DOCUMENTS (	(INCL	LUDING AUTHOR, TITLE, DATE, PERTINENT		emoves the Toxic	city Seen After R	econstitution
XAMINER	-	Li-	Yan et	al., A	Sing vy C	rie Mu	OT atio	HER	DOCUMENTS ( ne Recombinant (1994), 33(2)	Light	LUDING AUTHOR, TITLE, DATE, PERTINEN	ytic Activity and R	cthe Importance		• • •
XAMINER	DA DB	Li- Will Fair Agi	Yan et Nativ	al., "A e Hea er, No	Sing	ple Mo	OT atio	HER hemis	DOCUMENTS ( ne Recombinant (1994), 33(2)	Light	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect, 214-29 CODEN. Bichaw, Issn. 0800-2960	ytic Activity and R	cthe Importance		• • •
XAMINER INITIAL	DA DB	Li,- with Fair Acti	Yan et Nativ rweath da for f	al., A e Hea er, No ull Bi	Sing wy C	gle Mu hain" ot al., cal Ac	OT Bioco	hemis	DOCUMENTS ( me Recombinant ( stry (1994) 33(2 m of Diologically ( DS LETT. (1993)	Light	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect, 214-29 CODEN. Bichaw, Issn. 0800-2960	ytic Activity and R	cthe Importance		• • •
XAMINER INITIAL	DA DB DC DE	Li. With Fair Acid	Yan et Nativ nweath da for f Paiva	al., A e Hea er, No ull Bi et al.,	Sinq Cologi J. Bi	ple Mu hain" et al., cal Ac ol. Chi	OT  atio  Bioc  Pro  ivity  m.	hemister duction 268:26	DOCUMENTS ( the Recombinant of Stry (1994), 33(2) the of Biologically (1993) (1988) (1989)	Light (INCL) Light (22), 70 Activi	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect, 214-29 CODEN. Bichaw, Issn. 0800-2960	ytic Activity and R	cthe Importance		• • •
XAMINER INITIAL	DA DB DC DE	Li- With Fasion Action De We Hall	Yan et n Native weath da for f Paiva eller et a bermal	al., A e Hea er, Ne full Bi et al., Eu	Sing Cologi J. Bi	the Michain et al., cal Ac	OT atio Bioc Pre ivity m.	HER duction of the state of the	DOCUMENTS ( The Recombinant of the Property (1994) 33(2) The of Biologically 198 LETT. (1993) 19838 (1993) 19 (1989) 1995 (1989) 1997 (1989)	(INCL)  LLight  Activity  Activity  Activity  Activity  B, 323	UDING AUTHOR, TITLE, DATE, PERTINENT  1 Chain of Tetanus Toxin Abolishes its Protect  14 20 GODEN. Bichaw, Issn. 0800-2960  15 Light Chain of Tetanus Toxin in Escherichia  16(3), 218 22 GODEN. FEBLAL; ISSN: 0014-5	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PR V%	DA  DB  DC  DE  DF  DG	Light Will Fair Acid De We Hall Biz Bin	Man et no Native neveath de for i	al., A e Hea er. Ne i ull Bi et al., Eu inn er a	Sing Ny C. J. Bi J. Bi Ir. J.	gite Michain"  et al., cal Ac ol. Chi Bioche aunyr  of Nei ides a	ot Bioc Pre- ivity m.	HER in the hemister of the hem	DOCUMENTS ( The Recombinant of the Property (1994) 33(2) The of Biologically 198 LETT. (1993) 19838 (1993) 19 (1989) 1996berg's Arch. Photographic of the Property (1977) Vol. 2 Trade Axonal Trade	(INCL)  LLight  Activity  Activity  Activity  Activity  B, 323	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect,  244-29 CODEN. Bichaw, Issn. 0000-2960  10 Light Chain of Tetanus Toxin in Escherichia  2(3), 218-22 CODEN. FEBLAL; ISSN: 0014-5  3(0), 218-23 (1980)	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS OX PAS REL	DA  DB  DC  DE  DF  DG	Lipurity With Frankin De We Hall Bizz Bin Der	Yan et n Native nweath de for f	al., A e Hea er, Ne et al., et al., Eu mn et a	Sing Silf- ologi J. Bi J. Bi glios	the Michain et al., cell Accord Accord Accord Accord Accord aunymon of Nerides a accorde	OT  atio Sioc  Pro ivity  m.  Scr  rock  14/6	HER In in the hemister of the	DOCUMENTS ( The Recombinant of Property (1994), 33(2) The of Biologically (1993) The of Biologically (	(INCL)  LLight  Activity  Activity  Activity  Activity  B, 323	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect,  244-29 CODEN. Bichaw, Issn. 0000-2960  10 Light Chain of Tetanus Toxin in Escherichia  2(3), 218-22 CODEN. FEBLAL; ISSN: 0014-5  3(0), 218-23 (1980)	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS UX PAS	DA  DB  DC  DE  DF  DG  DH	Lipholis Will Fair Acid	Yan et naveath de for l'Alian et a ding Trazbaug	et al., Fund et al., Euch et al., et a	Sing Sill F. Sologi J. Bi J. Bi Ir. J. Irmal Iglios	de Muhain et al., cal Accol. Chi Bioche aunym of Nea auccine	OT  atio  Bioco  rock  rock  14/6	HHER In in the hemister of the	DOCUMENTS ( the Recombinant of the Potential of the Poten	(INCL)  H-Light  H-Light  Active  Acti	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect,  244-29 CODEN. Bichaw, Issn. 0000-2960  10 Light Chain of Tetanus Toxin in Escherichia  2(3), 218-22 CODEN. FEBLAL; ISSN: 0014-5  3(0), 218-23 (1980)	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS OX PAS REL	DA  DB  DC  DE  DF  DG  DH	Lipund With Family Action De We Hall Bizz Bin Der Tho	Yan et naveath de for l'Alian et a ding Trazbaug	er, Neighber Head Head Head Head Head Head Head Head	Sing Sill F. J. Bill F. J.	ot al., cal Acool China Bioche of Nerides a accine	or ation Since Pro- ivity  m.  Scr  rodd F	HER In in the shape of the shap	DOCUMENTS ( the Recombinant of the Process of the P	(INCL)  H-Light  H-Light  Active  Acti	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect,  244-29 CODEN. Bichaw, Issn. 0000-2960  10 Light Chain of Tetanus Toxin in Escherichia  2(3), 218-22 CODEN. FEBLAL; ISSN: 0014-5  3(0), 218-23 (1980)	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS UX PAS	DA  DB  DC  DE  DF  DG  DH  DJ	Ling Wild Family Acid We Hall Bizz Bin Der Tho	Yan et n Nativ nweath de for f	et al., Journal, Journal, Middle, Midd	Sing WY C sil F. sologi J. Bi Ir. J. sil., W sill, Va glios sil, Va , Eur	tetal etal etal.	ort Bioco Pre-ivity m. Scr rock ind F	HER In in the themis in the them in the themis in the them in the themis in the them i	DOCUMENTS ( the Recombinant of the Process of the P	(INCL)  H-Light  H-Light  Active  Acti	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect,  244-29 CODEN. Bichaw, Issn. 0000-2960  10 Light Chain of Tetanus Toxin in Escherichia  2(3), 218-22 CODEN. FEBLAL; ISSN: 0014-5  3(0), 218-23 (1980)	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS US PAS PAS PAS PAS PAS PAS PAS PAS PAS PA	DA DB DC DE DF DG DH DI DJ DK DL	Lipa With Fair Aedi De We Hall Bizz Bin Der Koz Wa	Yan et n Native newath de for le	al., 'A Hea er. Ne Hea	Sing Cook Sing C	yle Muhain" et al., cal Ac ol. Chi Bioche aunyr of Ner ides a accine . J. Bii	OT atio Sioc Pro wity m. Scr rock 14/6 che	HER In in the hemister of the	DOCUMENTS ( The Recombinant of the Recombination of the Recom	HLight Active 323, 70 Active 323	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Toxin Abolishes its Protect 244-29 GODEN. Bichaw, Issn. 0800-2960  re Light Chain of Tetanus Toxin in Escherichia 3(3), 218-22 GODEN. FEBLAL; ISSN: 0014-5  acut 311.33 (1980)  1. 529-542, "An Antigenic Polypeptide Fragmen int Various Neuron Systems"	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS UX PAS	DA DB DC DE DF DG DH DI DJ DK DL	Lipure With Fair Well Fair Mell Fair	Yan et n Nativ nweath de for f Paiva Paiva ermal zini et a ding T ntzbaug mpsol zzaki et	al., A e Hea er, Ne He	Sing Sing Cook State Sta	gle Mchain et al., cal Accorded Accorde	OT  atio  Sioc  Pre- virly  m.  Sch  total  R. S	HER I	DOCUMENTS ( the Recombinant) stry (1994) 33(2 the of Biologically 36 LETT. (1993) 3838 (1993) 49 (1989) 40 (1989) 40 (1989) 40 (1989) 40 (1989) 41 (1989) 42 (1989) 43 (1996) 44 (1996) 46 (1989) 47 (1989) 48 (1997) 49 (1989) 49	HLight (INCL) Activity (INCL)	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect  144-29 GODEN. Bichaw, Issn. 0000-2960  154-29 GODEN. Bichaw, Issn. 0000-2960  154-29 CODEN. FEBLAL; ISSN: 0014-5  155-25-25-25-25-25-25-25-25-25-25-25-25-2	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS US PAS PAS PAS PAS PAS PAS PAS PAS PAS PA	DA DB DC DE DF DG DH DI DJ DK DL	Lipani Vitali Fair Addition De We Hall Bizz Bin Thou Koz Bin Vitali Vitali Pel Den	Yan et n Nativ nweath de for f Paiva et al ler et a le bermal zini	al., A Header, Need al., Euclin Biologate al., Euclin Biologate al., Euclin Biologate al., Michael al., Michael al., Michael al., Michael al., Florigate al.	Sing Sing Color Silver	yle Muhain et al., eal Accorded Accorde	ort ation at	HER In in the history of the history	DOCUMENTS ( the Recombinant of the Recombination (1994). 33(2) the Property of the Recombination of t	HLight (22), 7(2) Activo (22),	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Texin Abolishes lis Protect  144-29 GODEN. Bichaw, Issn. 0000-2960  154-29 GODEN. Bichaw, Issn. 0000-2960  154-29 CODEN. FEBLAL; ISSN: 0014-5  155-25-25-25-25-25-25-25-25-25-25-25-25-2	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS US PAS PAS PAS PAS PAS PAS PAS PAS PAS PA	DA  DB  DC  DE  DF  DG  DH  DI  DK  DM  DN	Li- vitty Faint Acid Bizz Bin Der Tho Koz Sin Vala Pel Der	Yan et n Native newath de for l'Aliva de for l'Aliv	al., A Hea er. Ne Hea	Sing Cologia J. Bi r. J. at., W at.,	yle Muhain" et al., cal Ac ol. Chi Bioche aunyr of Ner ides a accine . J. Bii Trans.	OT ation Since Property and Front Processing	HER In in the hemister of the	DOCUMENTS ( the Recombinant of the Recombination (1994). 33(2) the Property of the Recombination of t	HLight (22), 70 Active), 323 Marma 8, pp. 1995	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Toxin Abolishes its Protect 244 29 GODEN. Bichaw, Issn. 0800-2960  re Light Chain of Tetanus Toxin in Escherichia 3(3), 218 22 GODEN. FEBLAL; ISSN: 0014-5  acut. 311.33 (1980)  . 529-542, "An Antigenic Polypeptide Fragmen art in Various Neuron Systems"	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino
PAS US PAS PAS PAS PAS PAS PAS PAS PAS PAS PA	DA  DB  DC  DE  DF  DG  DH  DI  DJ  DK  DM  DN  DN	Li- vitty Faint Acid Bizz Bin Der Tho Koz Sin Vala Pel Der	Yan et n Native newath de for l'Aliva de for l'Aliv	al., A Hea er. Ne Hea	Sing Cologia J. Bi r. J. at., W at.,	yle Muhain" et al., cal Ac ol. Chi Bioche aunyr of Ner ides a accine . J. Bii Trans.	OT ation Since Property and Front Processing	HER In in the hemister of the	DOCUMENTS ( The Recombinant of the Recombination of the Recombina	HLight (22), 70 Active), 323 Marma 8, pp. 1995	UDING AUTHOR, TITLE, DATE, PERTINEN'  1 Chain of Tetanus Toxin Abolishes its Protect 244 29 GODEN. Bichaw, Issn. 0800-2960  re Light Chain of Tetanus Toxin in Escherichia 3(3), 218 22 GODEN. FEBLAL; ISSN: 0014-5  acut. 311.33 (1980)  . 529-542, "An Antigenic Polypeptide Fragmen art in Various Neuron Systems"	ytic Activity and R Coli. Evidence Ic 1783, June, 1993,	r the Importance pp. 218-222	of the C-Termin	al 16 Amino



Sheet	1	- C	1
Nnee!		ot	•
SHOOL		O I	

U.S. DEPARTM		F COMMERCE MARK OFFICE	REFERENC			Sheet 1	_ of <u>1</u> _
FORM PTO-144			E a	<b>9</b>			
		LIST OF	REFERENC	ES CITED BY A	PPLICANT		
ATTY. DOCK	ET:			SERIAL NO.:			
17044DIV1(A	.P)			09/676,053			····
APPLICANT:				TITLE: MODIF			L TOXINS FOR
Dolly et al				USE AS TRANS	PORT PROTE	INS	
FILING DAT	E:			GROUP:			
9/28/2000				Not assigned			
			U.S. PATEN	T DOCUMENTS	S		
*EXAMINER		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
INITIAL	<del> </del>				+		(ii applicable)
	<b>↓</b>			······································			
	<u> </u>						
		F	OREIGN PAT	TENT DOCUME	NTS		
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
27.7	ļ			11/0			(yes/no)
RZ	CD	00/33880	6/15/2000	WO	-		NO
			OTHER I	REFERENCES			
		(Incl	uding Author, Titl	le, Date, Pertinent Pag	ges, etc.)		
	- 1						
				· · · · · · · · · · · · · · · · · · ·			
<del></del>							·
-			<u> </u>				
ļ						<del></del>	
ļ,					<del></del>		
<u> </u>							
		1///				11	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.